

Form PTO-1449

U.S. Dept. of Commerce, Patent and Trademarks

## LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Attorney Docket No.  
A-9286Serial No. 10/602 988  
~~UNKNOWN~~Filing Date  
JUNE 25, 2003Applicant:  
AKINS ET AL.Group  
UNKNOWN

## U.S. PATENT DOCUMENTS

Exami ner's Initial		Document No.	Date	Name	Class	Subclass	
JBC	AA	5,418,782	5/23/95	Wasilewski	370	73	
	AB	5,420,866	5/30/95	Wasilewski	370	110.1	
	AC	6,009,116	12/28/99	Bednarek et al.	375	200	
	AD	6,108,365	8/22/00	Rubin et al.	375	130	
	AE	2002/0188567	12/12/02	Candelore	705	51	
	AF	2002/0194613	12/19/02	Unger	725	118	
	AG	2002/0196939	12/26/02	Unger et al.	380	216	
	AH	2003/0016949	1/23/03	Unger	386	94	
	AI	2003/0021412	1/30/03	Candelore et al.	380	217	
	AJ	2003/0026423	2/6/03	Unger et al.	380	217	
	AK	2003/0046686	3/6/03	Candelore et al.	725	31	
JBC	AL	2003/0081776	5/1/03	Candelore	380	200	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)

	AQ						
	AR						
	AS						

EXAMINER

DATE CONSIDERED:

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## LIST OF ART CITED BY APPLICANT

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JUL 19 2002

Technology Center 2100

Attorney Docket No.

A-7598

Serial No.

~~09/930,901~~

10/602 988

Filing Date

AUGUST 16, 2001

Applicant:

AKINS ET AL.

Group

2132

## U.S. PATENT DOCUMENTS

Exami ner's Initial		Document No.	Date	Name	Class	Subclass	
JBC	AA	4,155,042	5/15/79	Permut et al.			
	AB	4,358,672	11/9/82	Hyatt et al.			
	AC	4,388,643	6/14/83	Aminetzah			
	AD	4,405,829	9/20/83	Rivest et al.			
	AE	4,531,020	6/23/95	Weschselberger et al.			
	AF	4,600,921	7/15/86	Thomas et al.			
	AG	4,613,901	9/23/86	Gilhousen et al.			
	AH	4,634,807	1/6/87	Chorley et al.			
	AI	4,649,533	3/10/97	Chorley et al.			
	AJ	4,658,093	4/14/87	Hellman			
	AK	4,712,238	12/8/87	Gilhousen et al.			
	AL	4,712,239	12/8/87	Frezza			
	AM	4,736,422	4/5/88	Mason			
	AN	4,823,385	4/18/89	Hegendörfer			
	AO	4,864,615	9/5/89	Bennett et al.			
	AP	4,866,770	9/12/89	Seth-Smith et al.			
	AQ	4,885,777	12/5/89	Takaragi et al.			
JN	AR	4,887,296	12/12/89	Horne			

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Applicant: AKINS ET AL.				Group 2132		
U.S. PATENT DOCUMENTS						
Examiner's Initial		Document No.	Date	Name	Class	Subclass
ABC	AS	4,912,762	3/27/90	Lee et al.		
	AT	4,982,430	1/1/91	Frezza et al.		
	AU	4,993,068	2/12/91	Piosenka et al.		
	AV	5,003,591	3/26/91	Kauffman		
	AW	5,018,196	5/21/91	Takaragi et al.		
	AX	5,029,207	7/2/91	Gammie		
	AY	5,036,537	7/30/91	Jeffers et al.		
	AZ	5,073,935	12/17/91	Pastor		
	BA	5,124,117	6/23/92	Tatebayashi et al.		
	BB	5,142,578	8/25/92	Matyas et al.		
	BC	5,151,782	9/29/92	Ferraro		
	BD	5,155,591	10/13/92	Wachob		
	BE	5,175,765	12/29/92	Perlman		
	BF	5,231,665	7/27/93	Auld et al.		
	BG	5,235,643	8/10/93	Anderson et al.		
	BH	5,237,610	8/17/93	Gammie et al.		
	BI	5,243,652	9/7/93	Teare et al.		
JOL	BJ	5,249,230	9/28/93	Mihm, Jr.		

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Applicant: AKINS ET AL.				Group 2132		
U.S. PATENT DOCUMENTS						
Examiner's Initial		Document No.	Date	Name	Class	Subclass
ZBC	BK	5,270,822	12/14/93	Choi		
	BL	5,282,248	1/25/91	DeJoy		
	BM	5,282,249	1/25/94	Cohen et al.		
	BN	5,285,497	2/8/94	Thatcher, Jr.		
	BO	5,301,233	4/5/94	Coutrot et al.		
	BP	5,341,425	8/23/94	Wasilewski et al.		
	BQ	5,343,527	8/30/94	Moore		
	BR	5,381,477	1/10/95	Beyers III et al.		
	BS	5,381,481	1/10/95	Gammie et al.		
	BT	5,400,401	3/21/95	Wasilewski et al.		
	BU	5,402,490	3/28/95	Mihm, Jr.		
	BV	5,414,773	5/9/95	Handelman		
	BW	5,420,866	5/30/95	Wasilewski		
	BX	5,425,101	6/13/95	Woo et al.		
	BY	5,432,542	7/11/95	Thibadeau et al.		
	BZ	5,440,633	8/8/95	Augustine et al.		
	CA	5,465,299	11/7/95	Matsumoto et al.		
ZBC	CB	5,473,692	12/5/95	Davis		

Received

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Applicant: AKINS ET AL.				Group 2132		
U.S. PATENT DOCUMENTS						
Exami ner's Initial		Document No.	Date	Name	Class	Subclass
LBC	CC	5,481,542	1/2/96	Logston et al.		
	CD	5,481,613	1/2/96	Ford et al.		
	CE	5,488,410	1/30/96	Lieberfarb et al.		
	CF	5,497,422	3/5/96	Tysen et al.		
	CG	5,499,294	3/12/96	Friedman		
	CH	5,499,295	3/12/96	Cooper		
	CI	5,506,904	4/9/96	Sheldrick et al.		
	CJ	5,509,073	4/16/96	Monnin et al.		
	CK	5,519,780	5/21/96	Woo et al.		
	CL	5,524,052	6/4/96	Augustine et al.		
	CM	5,550,984	8/27/96	Gelb		
	CN	5,557,678	9/17/96	Ganesan		
	CO	5,557,765	9/17/96	Lipner et al.		
	CP	5,588,058	12/24/96	Le Berre		
	CQ	5,559,889	9/24/96	Easter et al.		
	CR	5,563,950	10/8/96	Easter et al.		
	CS	5,565,909	10/15/96	Thibadeau et al.		
LBC	CT	5,568,552	10/22/96	Davis		

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~~09/930,901~~

10/608,988

Filing Date  
AUGUST 16, 2001Applicant:  
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## U.S. PATENT DOCUMENTS

Exami ner's Initial		Document No.	Date	Name	Class	Subclass
LB	CU	5,568,554	10/22/96	Eastlake 3rd		
	CV	5,583,939	12/10/96	Chang et al.		
	CW	5,590,202	12/31/96	Bestler et al.		
	CX	5,621,793	4/15/97	Bednarek et al.		
	CY	5,671,276	9/23/97	Eyer et al.		
	CZ	5,675,649	10/7/97	Brennan et al.		
	DA	5,740,246	4/14/98	Saito		
	DB	5,742,677	4/21/98	Pinder et al.		
	DC	5,764,770	6/9/98	Schipper et al.		
	DD	5,787,172	7/28/98	Arnold		
	DE	5,857,020	1/5/99	Peterson, Jr.		
	DF	5,862,220	1/19/99	Perlman		
	DG	5,870,474	2/9/99	Wasilewski et al.		
	DH	5,920,626	7/6/99	Durden et al.		
	DI	6,005,938	12/21/99	Banker et al.		
	DJ	6,105,134	8/15/00	Pinder et al.		
LB	DK	6,246,767	6/12/01	Akins, III et al.		

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## U.S. PATENT DOCUMENTS

Exami ner's Initial		Document No.	Date	Name	Class	Subclass
LBC	DL	RE33,189	3/27/90	Lee et al.		
LBC	DM	RE33,808	1/28/92	Wright, Jr.		

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
LBC	DN	EP 0 723 371 A	✓ 7/24/96	Europe			
	DO	EP 0 752 786 A	✓ 1/8/97	Europe			
	DP	WO 94/13107 A	✓ 6/9/94	PCT International			
LBC	DQ	WO 95/29560 A	✓ 11/2/95	PCT International			

## OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)

Exami ner's Initial		Document No.	Date	Name	Class	Subclass
LBC	DR	ISO/IEC 13818-1, "Information Technology – Generic Coding of Moving Pictures and Associated Audio Systems," Draft of: November 13, 1994.				
	DS	ISO/IEC JTC1/SC29/WG11, "Universal Multi-Program Multiplex and Transport for MPEG-2 Systems," January 1993.				
	DT	ISO/IEC JTC1/SC29/WG11, "An MGEg-2 Multi-Program Multiplex Syntax," January 1993.				
	DU	ISO/IEC JTC1/SC29/WG11, "Requirements and Method for High-Level Multiplexing of MPEG and Other Digital Service Bitstreams with Universal Transport Layer," November 1992.				
	DV	Whitfield, Diffie, "Authentication and Authenticated Key Exchanges," DESIGNS, CODES AND CRYPTOGRAPHY, An International Journal, Vol. 2, No. 2, June 1992, pages 107-125.				
LBC	DW	Schneier, Bruce, "Applied Cryptography Second Edition: Protocols, Algorithms and Source Code in C," pages 357-363.				

Received

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OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)					
Exami ner's Initial		Document No.	Date	Name	Class Subclass
<i>ABC</i>	DX	Menezes, Alfred J., "Handbook of Applied Cryptography," pages 506-525. ✓			
	DY	TM-1244 Rev. 4, "Final Technical Report of the Conditional Access Specialist Group," November 17, 1994. ✓			
	DZ	Coutrot et al., "A Single Conditional Access System for Satellite-Cable and Terrestrial TV," IEEE Transactions on Consumer Electronics, Vol. 35, No. 3, August 1989, pages 464-468. ✓			
<i>ABC</i>	EA	Louis Claude Guillou and Jean-Luc Giachetti, "Encipherment and Conditional Access," SMPTE Journal, 103 (1994) June, No. 6, White Plains, NY. ✓			
	EB				
	EC				
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EXAMINER <i>Angela</i>				DATE CONSIDERED: <u>11/1/2005</u>	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.					